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FIG. 1

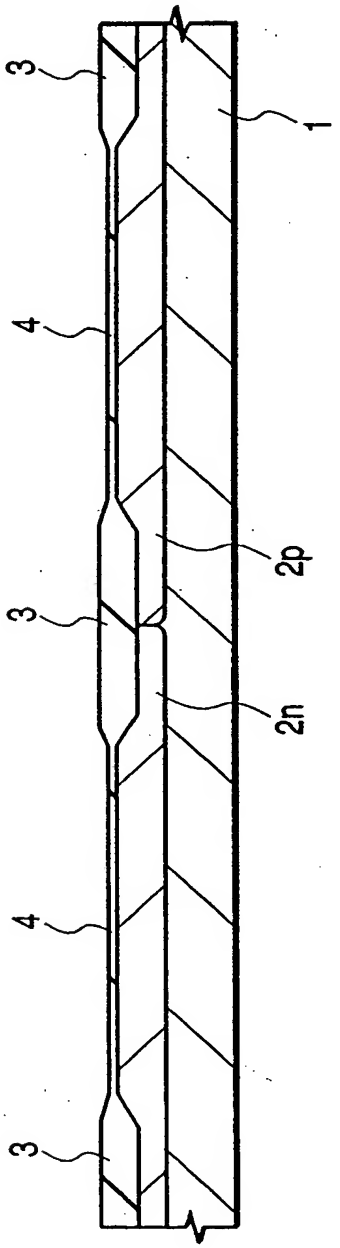


FIG. 2

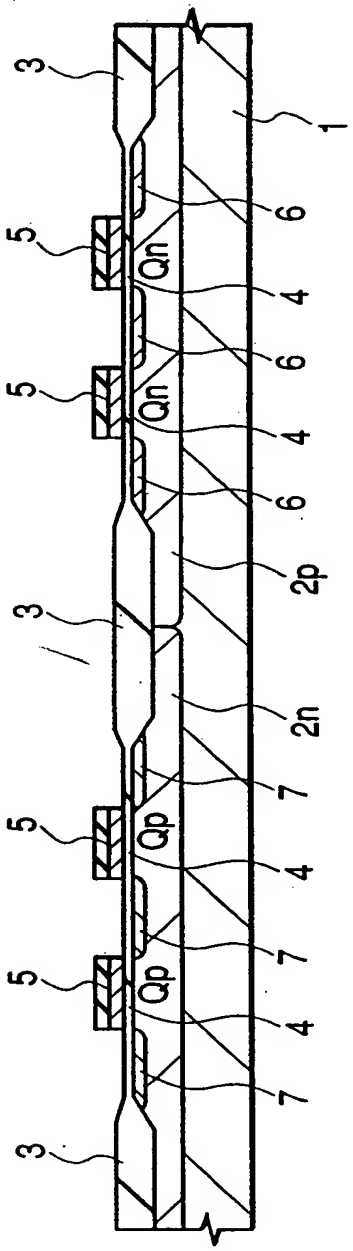
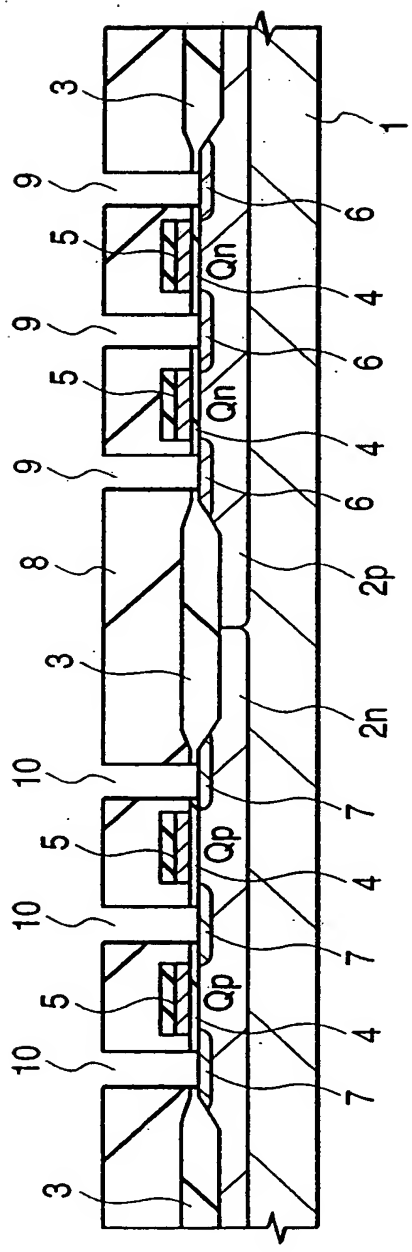


FIG. 3


3
9
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8
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10
5
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10
5
3
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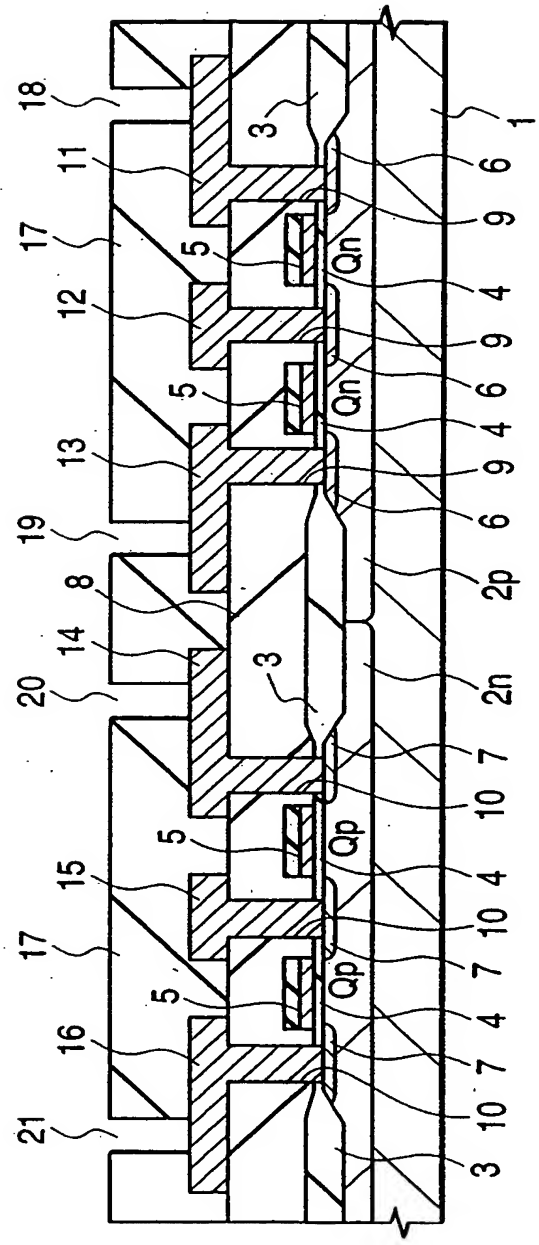
4
6
4
6
2p
2n
7
4
7
4
7
Qn
Qn
Qp
Qp

FIG. 4


18
11
17
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16
21
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5
5
5
5
1
6
9
4
6
9
4
6
9
6
2p
2n
7
10
4
10
7
4
10
3
Qn
Qn
Qp
Qp

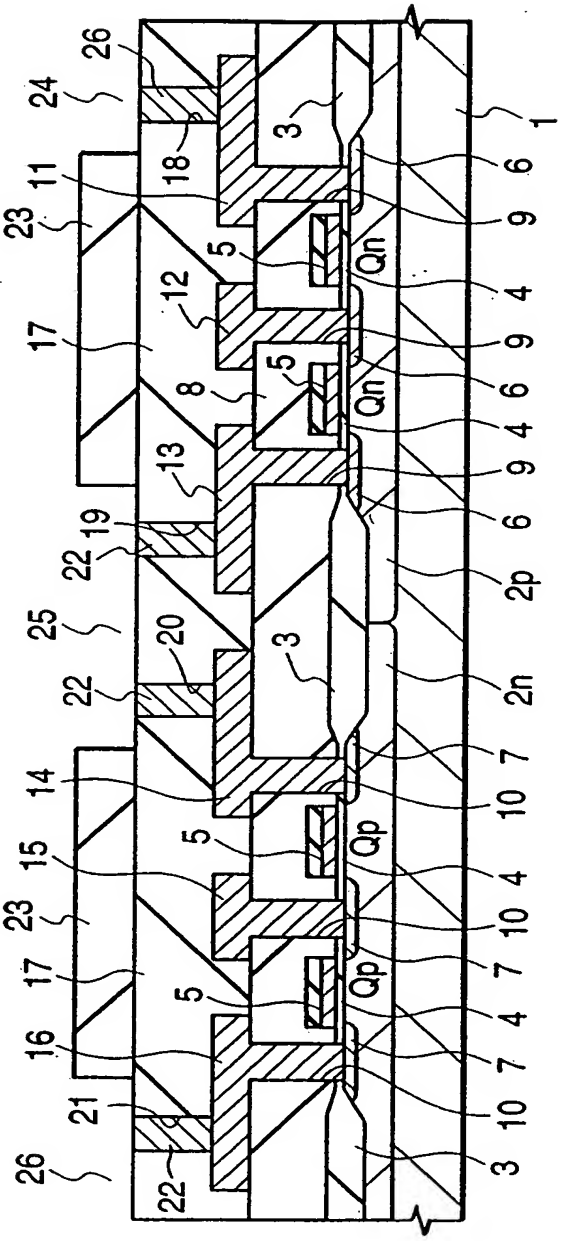


FIG. 5

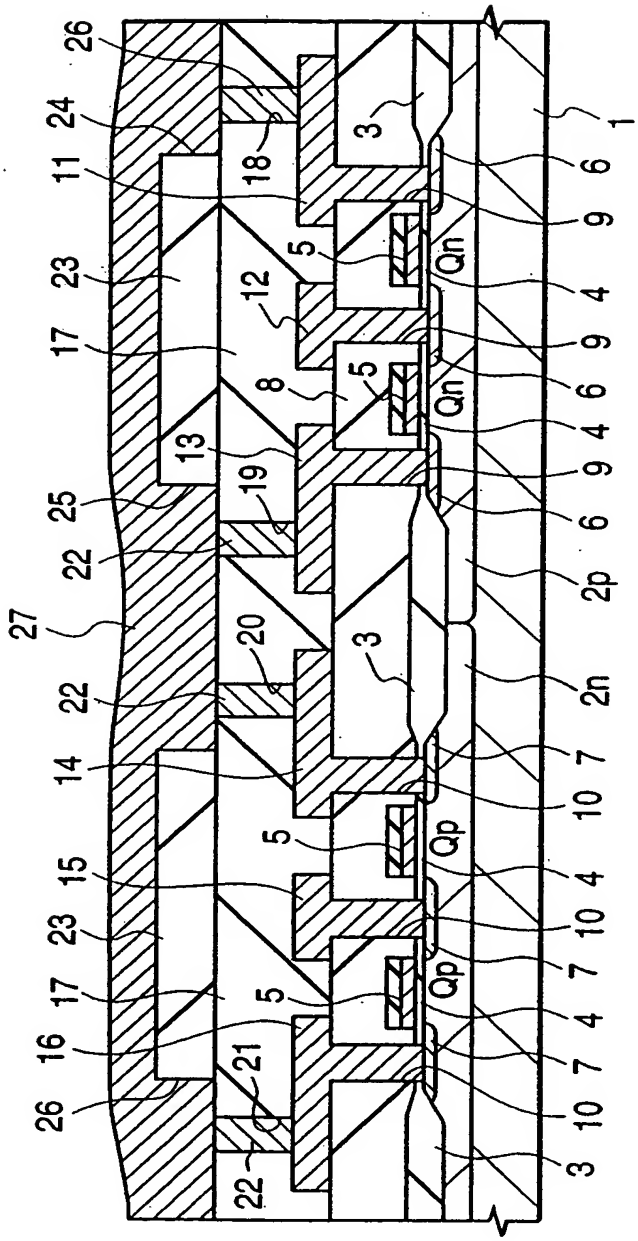
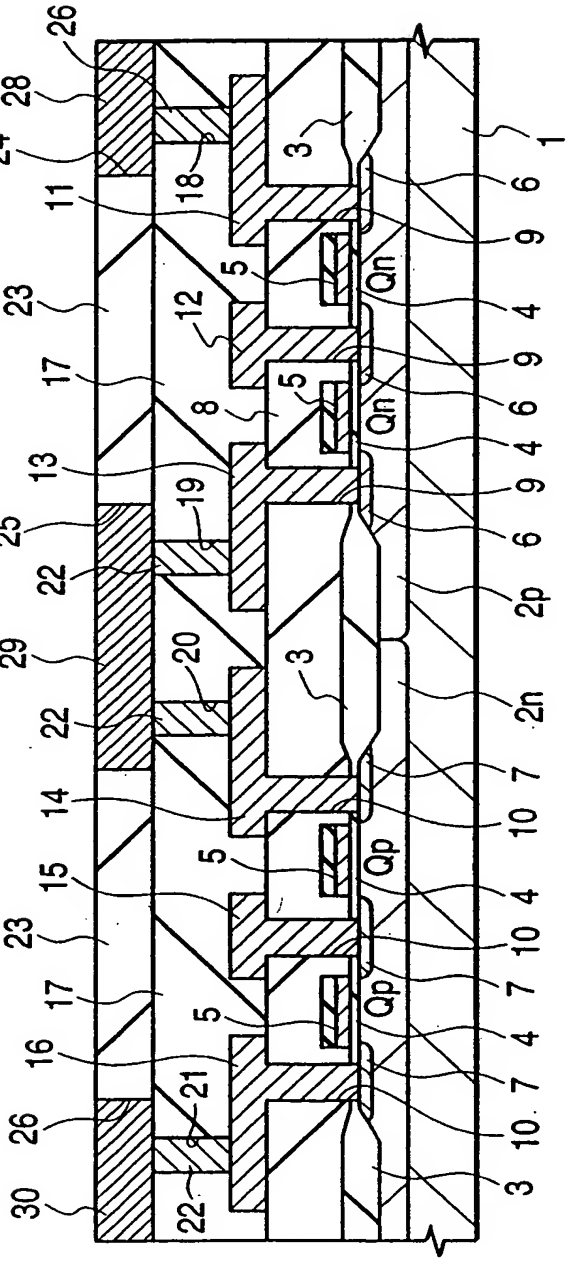


FIG. 6

FIG. 7


26
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24
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26
30
22
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12
5
8
19
20
3
5
5
21
22
3
Qn
Qn
Qp
Qp
1
6
9
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2p
2n
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4
10
7
4
7
10
3

FIG. 8

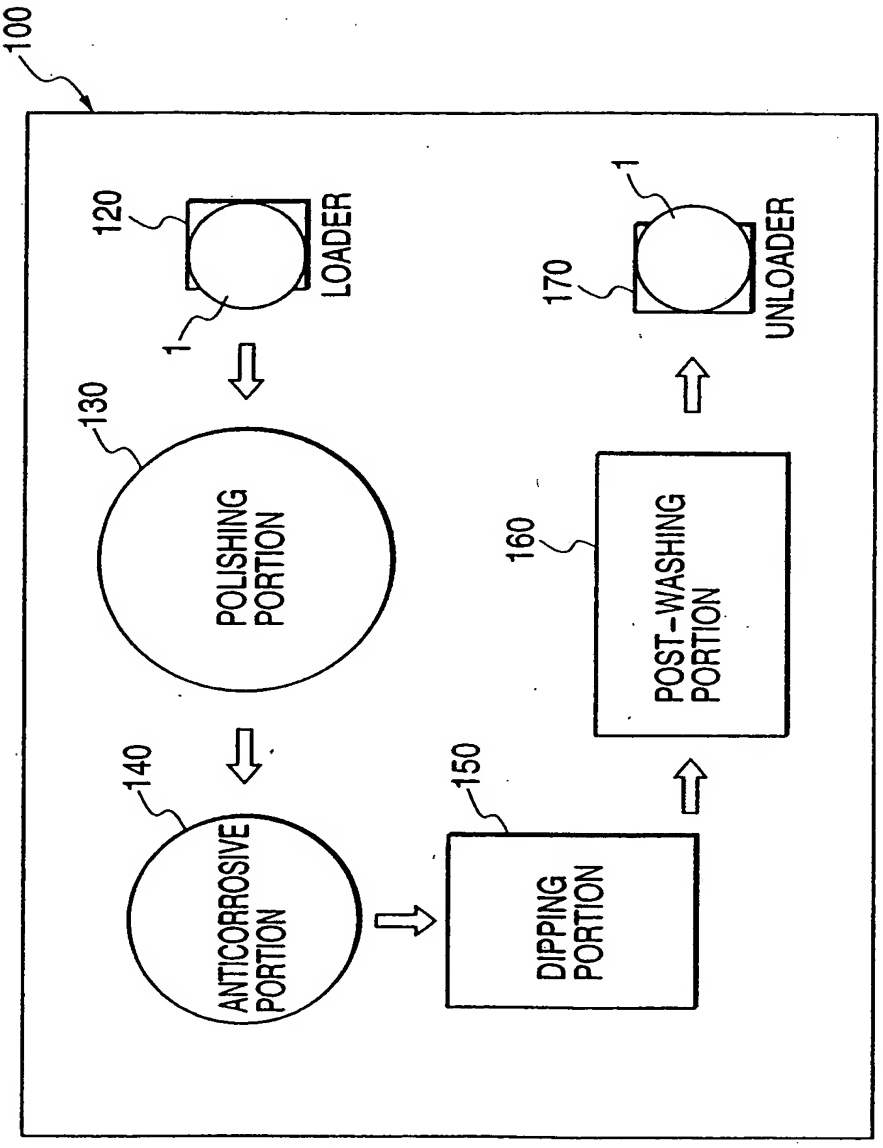

100
120
LOADER
1
130
POLISHING PORTION
140
ANTICORROSIVE PORTION
150
DIPPING PORTION
160
POST-WASHING PORTION
170
1
UNLOADER

FIG. 9

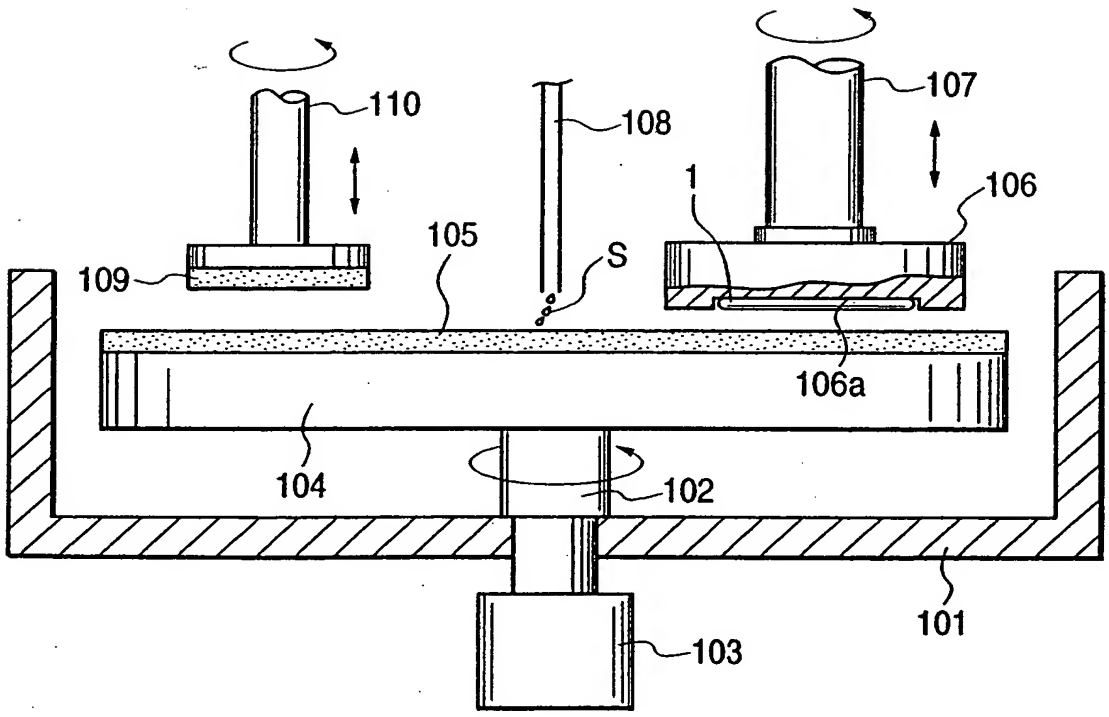


FIG. 10

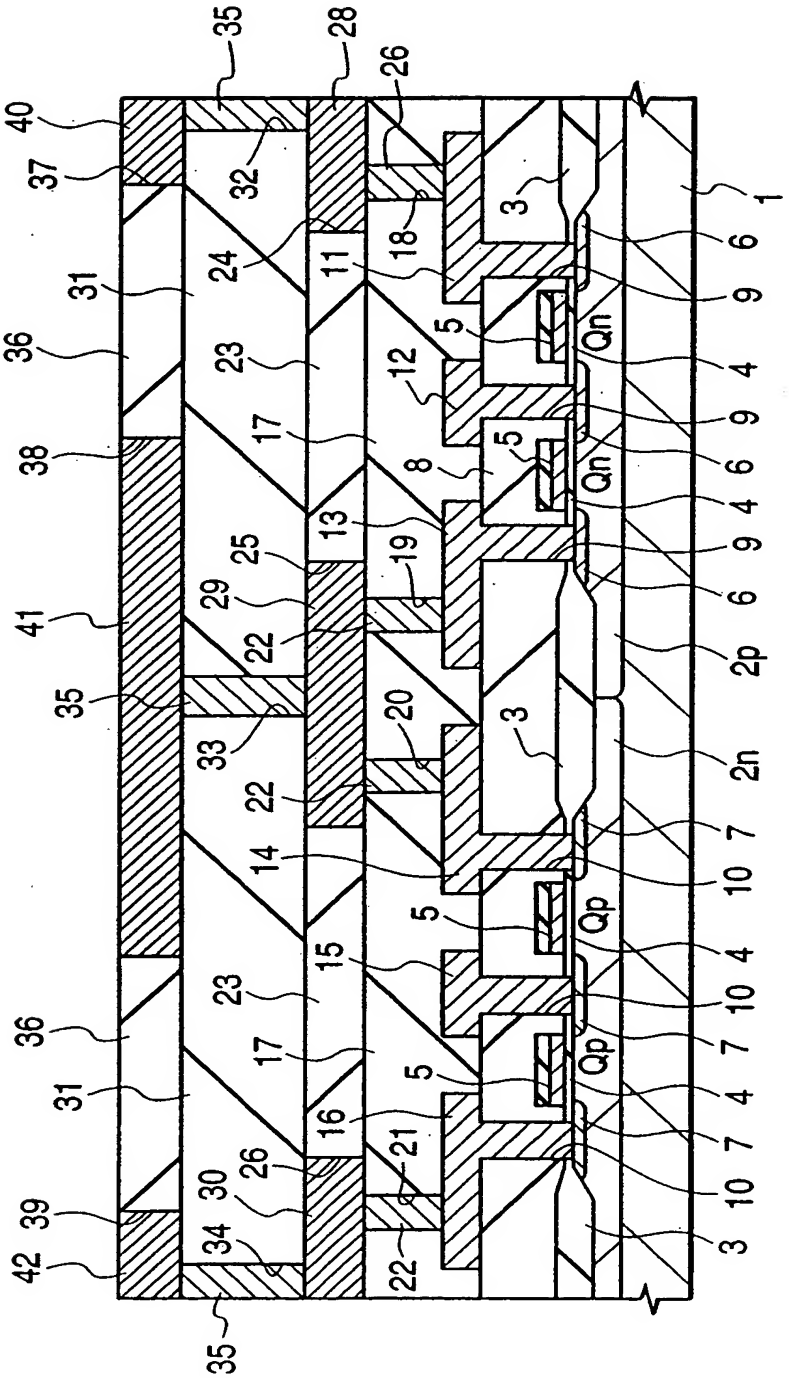

35
28
26
40
37
32
3
1
18
24
11
6
9
31
5
Qn
36
23
12
4
9
17
5
6
38
8
Qn
4
13
9
25
19
6
29
41
22
2p
35
20
3
33
2n
22
7
14
10
5
Qp
4
15
23
10
36
7
17
Qp
5
4
31
16
21
7
26
10
30
39
34
3
42
22
35

FIG. 11

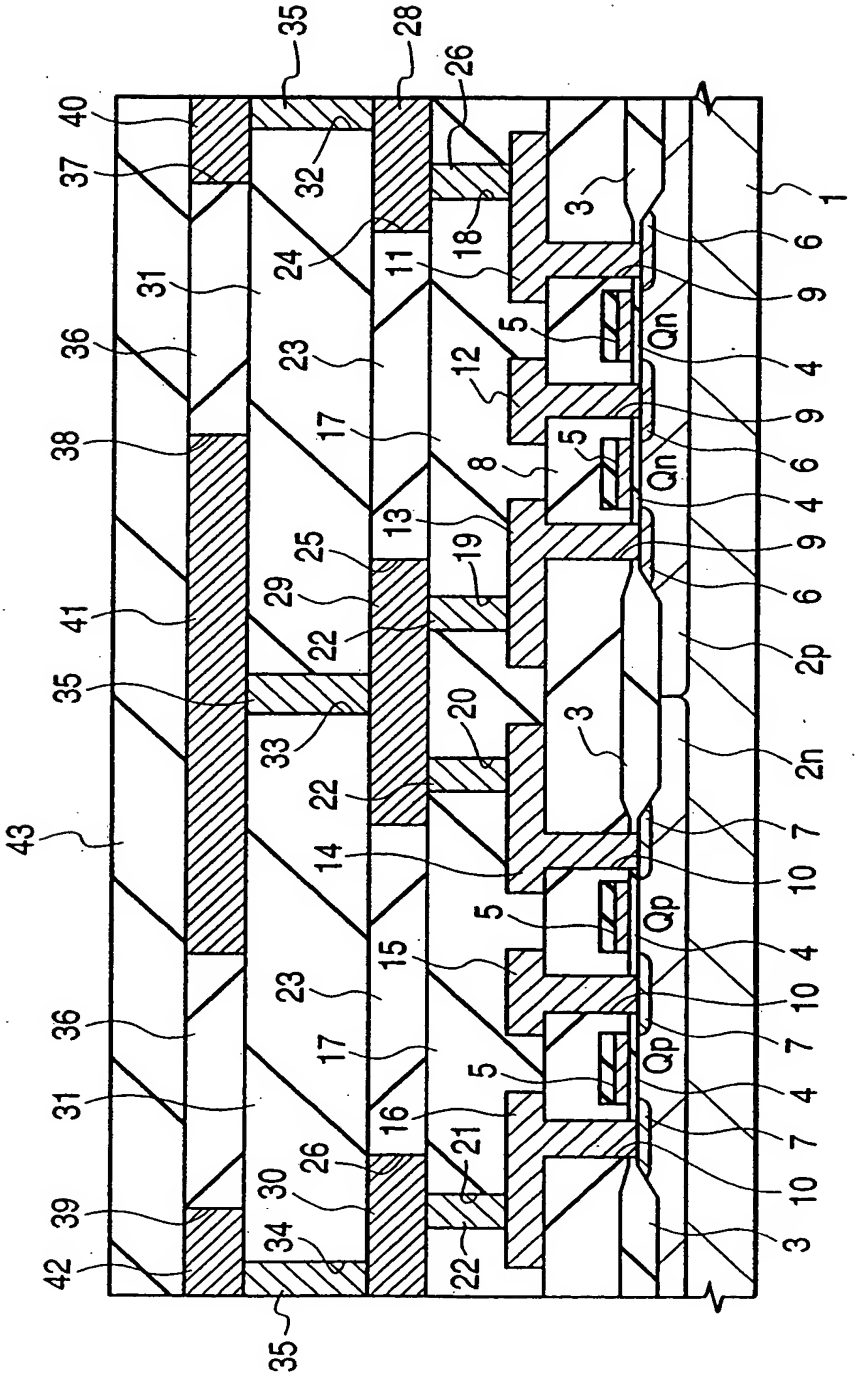

35
28
26
40
37
32
3
1
18
24
11
6
9
31
5
Qn
36
23
12
4
9
17
5
38
8
Qn
6
4
13
19
9
25
6
29
41
22
2p
35
20
3
33
2n
22
43
14
7
10
5
Qp
15
4
23
10
36
17
7
Qp
5
31
4
16
21
7
26
10
30
39
34
3
22
42
35

FIG. 12

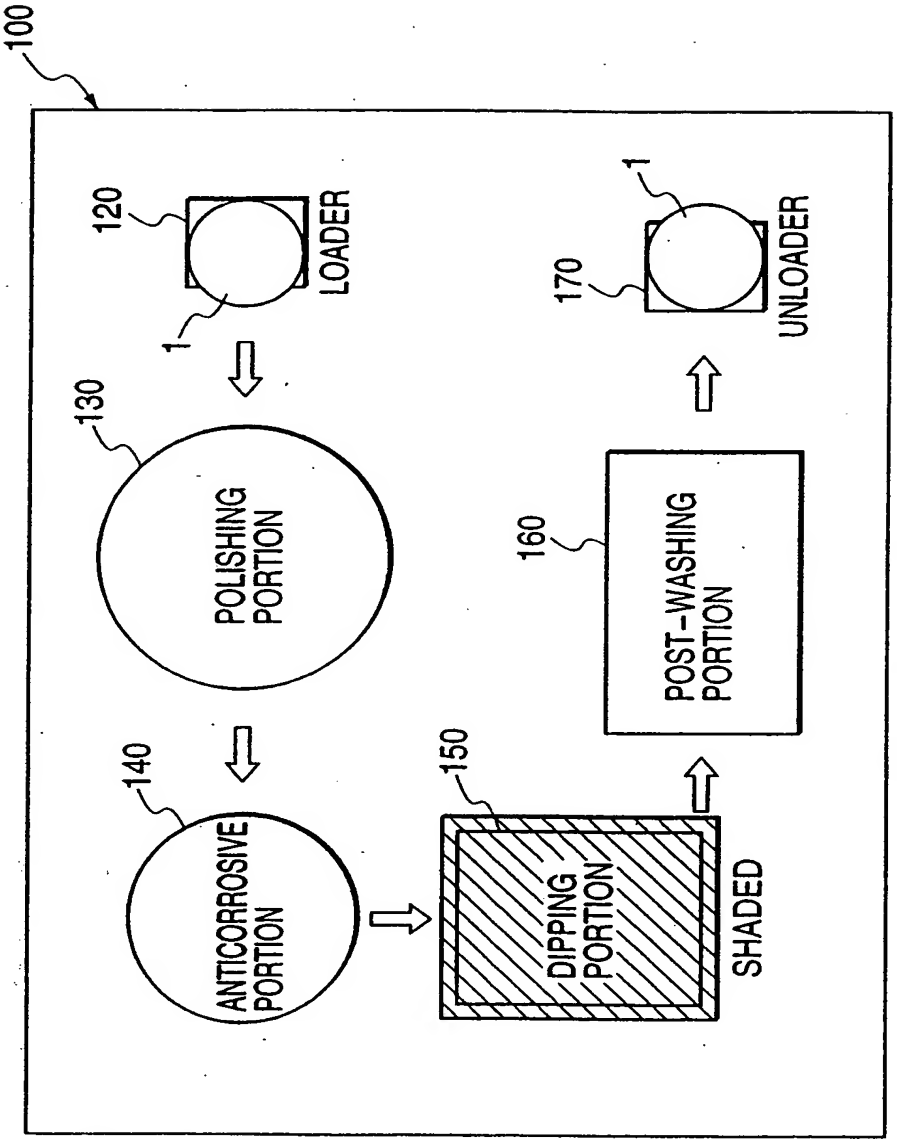

100
120
LOADER
1
130
POLISHING PORTION
140
ANTICORROSIVE PORTION
150
DIPPING PORTION
SHADED
160
POST-WASHING PORTION
170
1
UNLOADER

FIG. 13

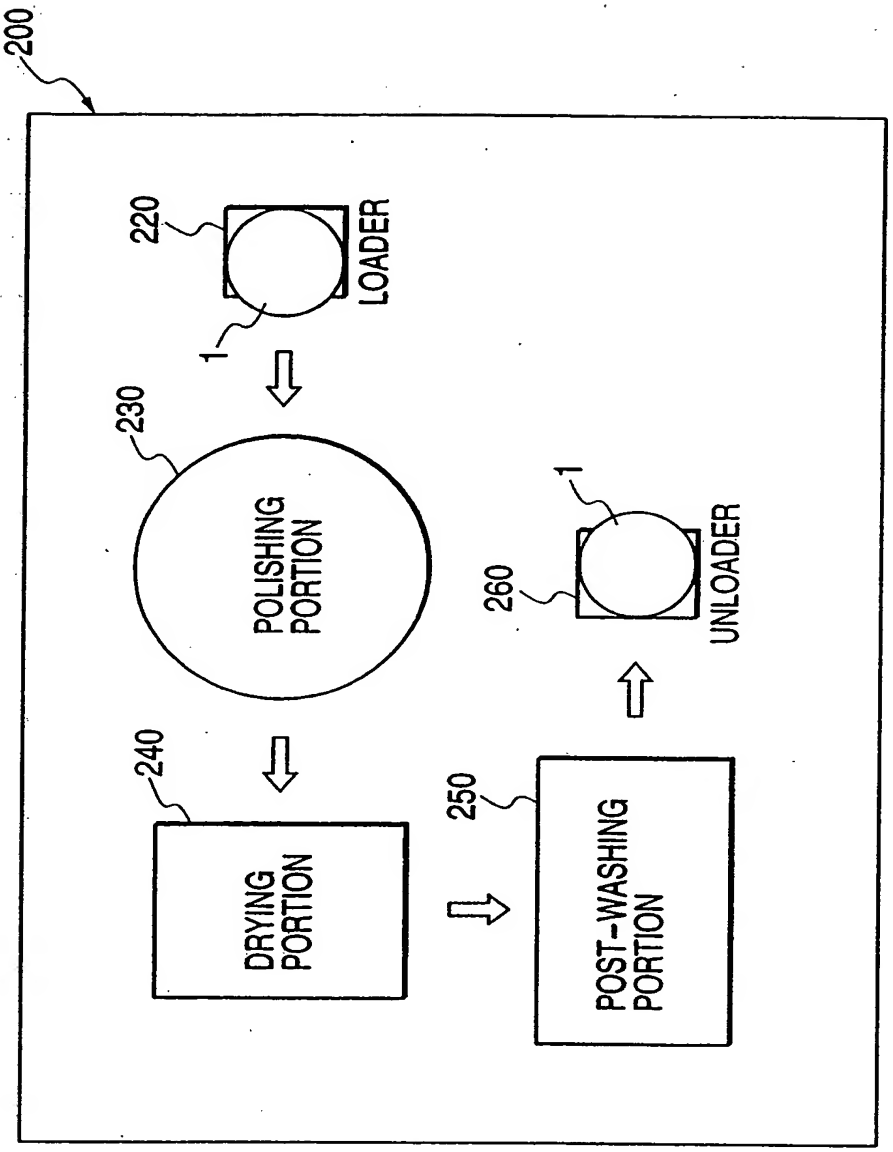

200
220
LOADER
1
230
POLISHING PORTION
1
260
UNLOADER
240
DRYING PORTION
250
POST-WASHING PORTION

FIG. 14(a)

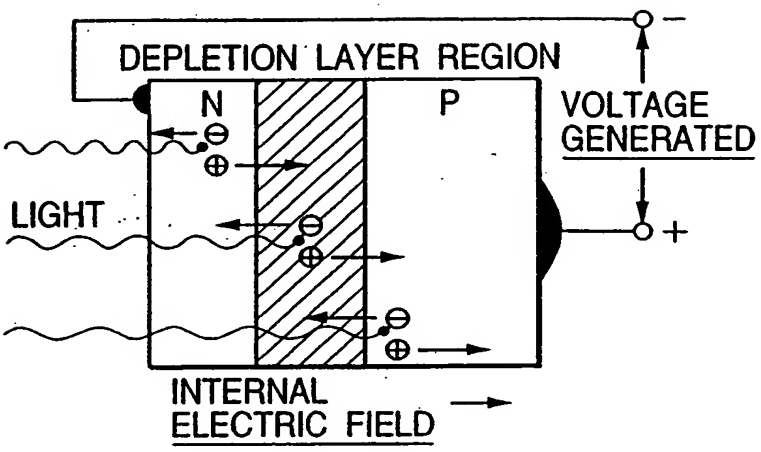


FIG. 14(b)

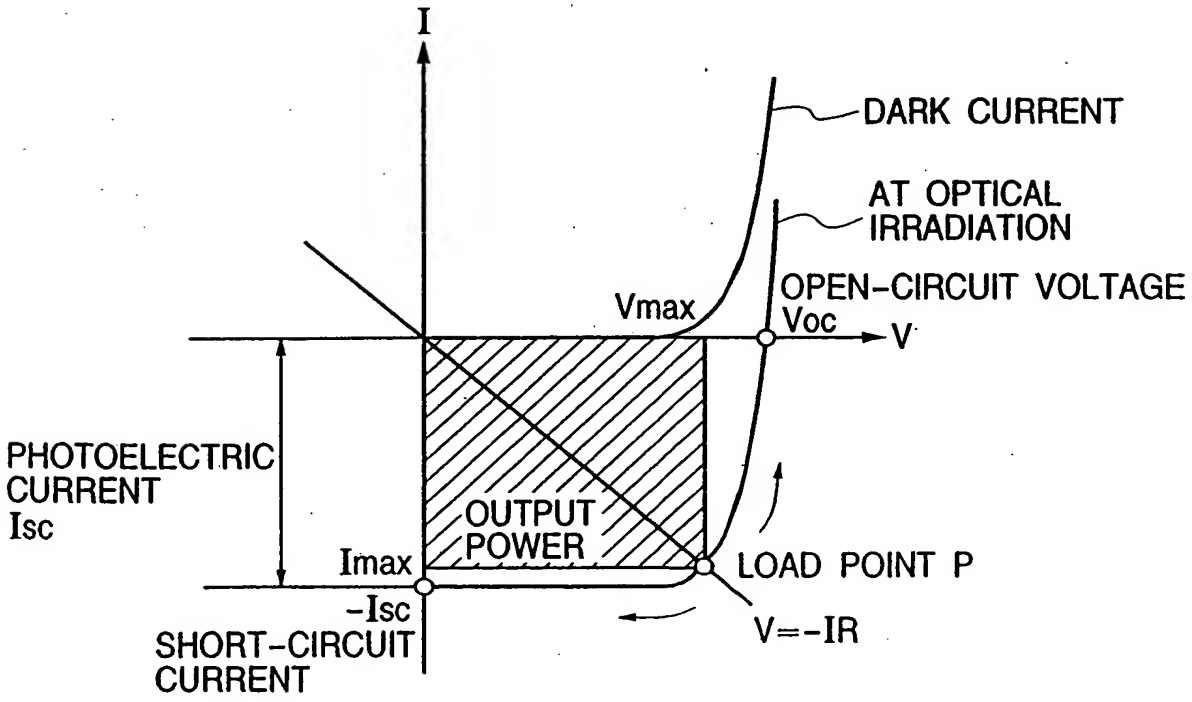


FIG. 15

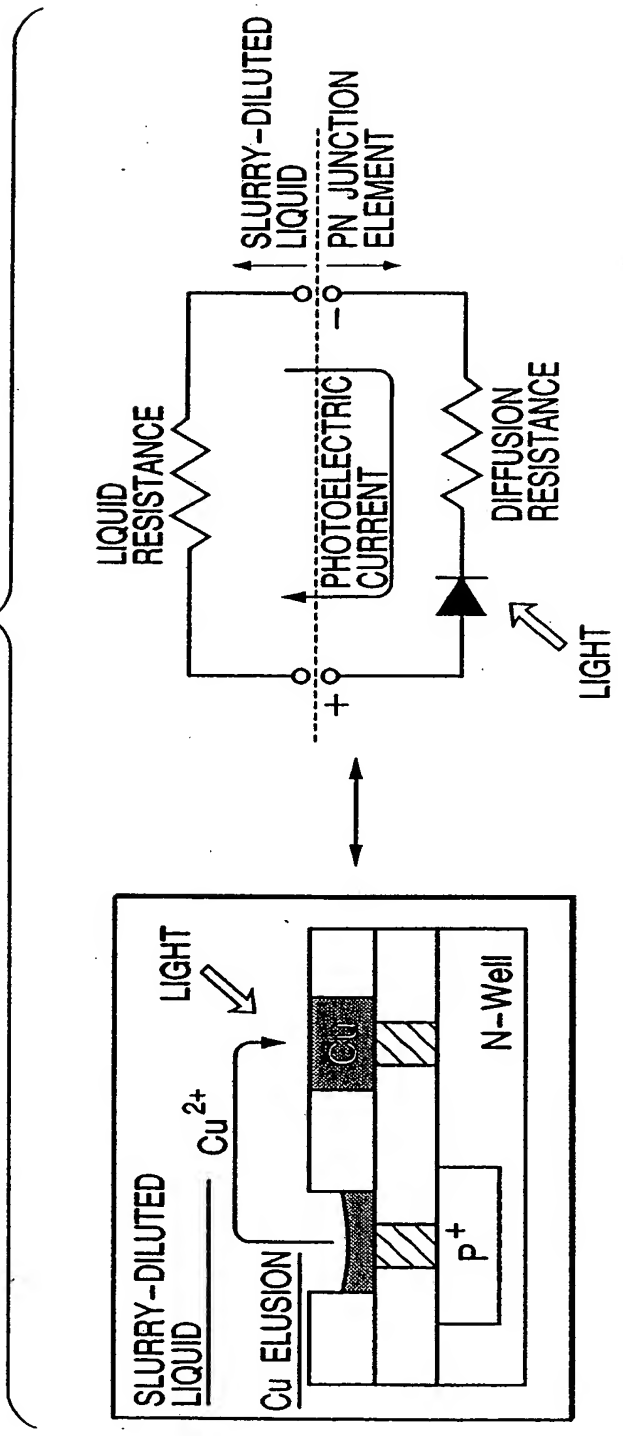
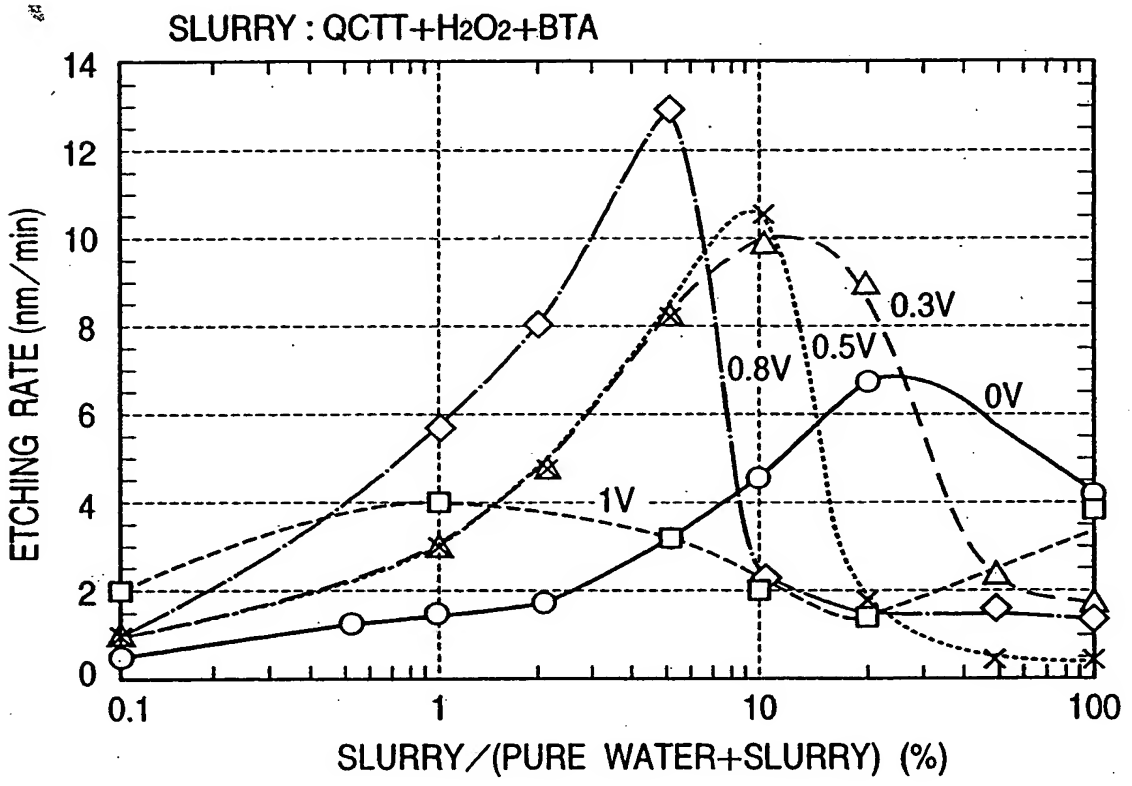

SLURRY-DILUTED LIQUID
PN JUNCTION ELEMENT
LIQUID RESISTANCE
PHOTOELECTRIC CURRENT
DIFFUSION RESISTANCE
LIGHT
SLURRY-DILUTED LIQUID
LIGHT
Cu2+
Cu ELUSION
Cu
N-Well
P+

FIG. 16


SLURRY : QCTT+H2O2+BTA
ETCHING RATE (nm/min)
SLURRY/(PURE WATER+SLURRY) (%)
0
2
4
6
8
10
12
14
0.1
1
10
100
0.3V
0.5V
0.8V
0V
1V